BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Construction of drain connecting BB nagara to Sonnegowda layout in ward no. 8, kodigehalli**

Estimate Cost: 1900000.00

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	1321 Hire charges of 100 KVA generator including operator, fuel, transportation and handling charges PWD SR 2015-16, P. L, I. 92 for pumping of stagnated water in existisng drain								
		Hours	10	3.00			30.00	630.00	18900.00
2	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. Page No. 141 / Item No. 19.1/ PWD SR 2015-16								
	Drain desilting								
	From BB nagara to Sonnegowda layout main road	Cum	1	80.00	0.90	1.50	108.00		
	Sonnegowda layout SWD	Cum	1	27.00	0.90	0.90	21.87		
	Adjacent graveyard	Cum	1	10.00	4.50	0.75	33.75		
	BB nagara drain desilting	Cum	1	121.00	1.35	0.80	130.00		
	Adjacent graveyard over existing CC drain	Cum	1	100.00	0.60	0.60	36.00		
							329.62	83.16	27411.00
	Basic Rate	77.00							
	Area Weightage @8%	6.16							
	Total	83.16							
3	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled material, disposal of unservicea ble material and stacking the serviceable material with all lifts complete as per specifications.- Rubble **stone masonry in cement mortar** (PWDSR 2015-16 I. 18.27, P. 137)								
	BB nagara drain	cum	1	30.00	0.45	0.90	12.15		
							12.15	250.56	3044.00
	Basic Rate	232.00							
	Area Weightage @8%	18.56							
	Total	250.56							
4	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. No. 12/ Item No. 4.3/ PWD SR 2015-16								
						Av.			
	From BB nagara to Sonnegowda layout main road	Cum	1	80.00	1.80	0.200	28.80		
	Sonnegowda layout SWD	Cum	1	27.00	2.30	0.500	28.80		
	Adjacent graveyard	Cum	1	10.00	4.50	0.500	22.50		
							80.10	5070.60	406155.00
	Basic Rate	4695.00							
	Area Weightage @8%	375.60							
	Total	5070.60							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
5	KSRB 5.4-3: Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23 / Item No. 5.12 / PWD SR 2015-16								
					av.				
	From BB nagara to Sonnegowda layout main road	Cum	2	80.00	0.53	1.20	100.80		
	Sonnegowda layout SWD	Cum	1	27.00	0.80	1.50	32.40		
	Adjacent graveyard	Cum	2	10.00	0.58	2.00	23.00		
							155.55		
A	**With Available stones**								
	70% of qty vide item No. 2	cum					8.50	3852.36	32745.00
	Basic Rate	4777.00							
	Deduct cost of available stones 100*11/each	1100.00							
	Deduct 10% overhead charges (1000*10%)	110.00							
	Net rate	3567.00							
	Area Weightage @ 8%	285.36							
	Total	3852.36							
B	**With New stones**								
	balance quantity	cum					147.05	5159.16	758654.00
	Basic Rate	4777.00							
	Area Weightage @8%	382.16							
	Total	5159.16							
6	KSRB 15.1.4: Providing ruled pointing to coursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications cement mortar 1:4. Page No. 112 / Item No. 15.4 / PWD SR 2015-16								
	From BB nagara to Sonnegowda layout main road	Sqm	2	80.00		1.20	192.00		
		Sqm	4	80.00		0.75	235.00		
	Sonnegowda layout SWD	Sqm	2	27.00		1.50	81.00		
	Adjacent graveyard	Sqm	4	10.00		2.00	80.00		
							588.00	97.20	57154.00
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	97.20							
7	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.84 cum and fine aggregates @ 0.56 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, (PWDSR 2015-16, I. 4.7, P. 13)								
	coping								
	From BB nagara to Sonnegowda layout main road	Cum	2	80.00	0.60	0.120	11.59		
	Sonnegowda layout SWD	Cum	2	27.00	0.80	0.100	4.32		
	Adjacent graveyard	Cum	4	10.00	0.60	0.120	2.88		
							18.79	5491.80	103191.00
	Basic Rate	5085.00							
	Area Weightage @8%	406.80							
	Total	5491.80							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
11	Providing and laying in position reinforced cement concrete M20 mix with stone aggregates 20mm and downsize for slab (including steel reinforcement) including centering and shuttering, maching mixed, concrete laid in layers not exceeding 15cm thick well compacted cost of all materials, labour, HOM of machineries, curing complete as per specifications. (Approved data rate enclosed)								
	From BB nagara to Sonnegowda layout and surroundings		1	90.0	1.80		162.00		
	Adjacent graveyard over existing CC drain		1	100.0	1.20		120.00		
							282.00	1600.0	451200.00
8	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.133 of PWDSR 2015-16)								
			Vide Item No. (2*0.85)				280.18	78.97	22125.00
	Average weight of earth 1.28 tonne / kg for 2x1.28x2.00=5.12	5.12							
	Add loading and unloading charges Vide item no.17.1 P.no.133	68.00							
		73.12							
	Area Weightage @ 8%	5.85							
	Total	78.97							
9	Sub Total								1880579.00
10	For Third Part QC inspection Charges @ 1% of Estimate Cost								18806.00
11	Miscellaneous and other Charges	L/S							615.00
								Total	1900000.00

(Rs. Nineteen Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2015-16.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP
8/12/15

Administrative Approval
Accorded For 19,00,000/-
Head of A/C.....P-1771
CER NO :.....72..... Dt:.14.12.2015

TA

CE (YNK)

TECHNICAL SANCTION
Accorded For Rs.....19,00,000/-.....
Head of A/c.....P-1771.....
Div. Ref. No.....232..... Date.14/12/15...

AE

EE(BTP) 15/12

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.